| Inde | ex of | Claims | • |
|------|-------|--------|---|
|      |       |        |   |
|      |       |        |   |

| Application No. | Applicant(s) |
|-----------------|--------------|
| 09/812,112      | MAYER ET AL. |
| Examiner        | Art Unit     |
| Paul D Kim      | 3729         |

| 7 | Rejected |  |
|---|----------|--|
| = | Allowed  |  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  | A |   |
|---|--------------|---|---|
| ı | Interference | o | 0 |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

|  |                       |           | L        |  |              |          | J            |          | _  |                  | _ |
|--|-----------------------|-----------|----------|--|--------------|----------|--------------|----------|--|------------------|---|
| <u> </u>   | <del></del>           |           |          |  |              | D-4      |              |          |  |                  | 1 |
| Cla  |                       | ⊢         | _        | _  |              | Dat      | e<br>T       | _        | _  |                  | 1 |
| <b> </b>   | Original              | 4         |          |  |              |          |              |          |  |                  | l |
| Final  | . <u>p</u>            | 6/23/04   |          |  | 1            |          |              |          |  |                  | l |
| ш.   | 5                     | 179       |          | l  |              |          |              |          |  | l                | l |
|  | L                     | L         | <u> </u> |  | <u> </u>     | L        | <u> </u>     |          | <u> </u>   | <u> </u>         | Į |
|  | 1<br>2<br>3<br>4<br>5 |           | _        |  | <u> </u>     | <u> </u> | L            |          | <u> </u>   | _                | Į |
|  | 2                     | N         | <u> </u> | _  | <u> </u>     |          | L            | _        | Ļ  | <u> </u>         | 1 |
|  | 3                     | N         | <u></u>  | ᆫ  | <u> </u>     | ļ.,      | _            | ļ        | L  | L                |   |
|  | 4                     | <u>_</u>  |          | <u> </u>   |              | L        | 匚            | <u>L</u> | _  | 乚                | 1 |
|  | 5                     | 1         |          |  | L            | <u> </u> |              |          |  | L                | 1 |
|  | 6                     | 1         |          |  | L            | <u> </u> | _            | _        | L  |                  | 1 |
|  | 7                     | Ш         |          |  |              |          | L_           | _        | <u> </u>   | <u> </u>         | 1 |
|  | 8                     | Ш         |          |  | ļ            | <u> </u> |              |          |  | <u> </u>         |   |
|  | 9                     | ĿĿ        |          |  |              |          |              | <u></u>  | <u>L</u> .                                       |                  | 1 |
|  | 10                    | Ш         |          | ╙  |              |          | _            | L        |  |                  |   |
|  | 11                    | Ш         |          | Ь.   | _            |          | L_           | _        | <u> </u>   | ļ                | 1 |
|  | 12                    | Ш         |          |  |              |          |              |          | <u> </u>   | <u> </u>         | ļ |
|  | 13                    | Ш         |          | L  | _            |          | _            |          |  | <u> </u>         | ļ |
|  | 13<br>14<br>15        | Ш         |          | <u> </u>   |              |          |              |          | <u> </u>   | <u> </u>         |   |
|  | 15                    | Щ         | <u> </u> | L_   | _            | _        | Ц_           | <u> </u> | $ldsymbol{f eta}$                                | $ldsymbol{oxed}$ | Į |
| L  | 16<br>17              | 11        | ļ        | L_   | _            | L_       | <u> </u>     | _        | L.   | $oxed{oxed}$     | 1 |
|  | 17                    | Щ         |          |  |              |          | <u> </u>     |          | _  | Ŀ                | 1 |
|  | 18                    | Ш         |          |  |              |          |              | _        |  | <u> </u>         | 1 |
|  | 19<br>20              | Щ         | _        | _  | L            |          | _            | _        | _  | L                | 1 |
|  | 20                    | <u>'</u>  | L_       | <u> </u>   | L.           | <u> </u> |              | _        | _  |                  | 1 |
|  | 21<br>22              | 1         | L        | <u> </u>   | <u> </u>     | <u>_</u> | _            | _        | _  | <u> </u>         | 1 |
|  | 22                    | N         |          | <u> </u>   | <u> </u>     | <u> </u> | _            |          | _  | L.               | 1 |
|  | 23                    | 1         | _        | _  |              |          |              | <u> </u> | _  | _                |   |
|  | 24<br>25              | ╙         | _        | _  | L            | _        |              | _        | <u> </u>   | _                | ļ |
|  | 25                    | Н         |          | ⊢  | _            | _        |              |          | <u> </u>   | ├                | ł |
|  | 26                    | Н         | _        | <u> </u>   | <del> </del> | ⊢        |              |          | <u> </u>   | ├-               | ł |
|  | 27                    | Н         | _        | ⊢  | ⊢            | $\vdash$ |              |          | H  |                  | ł |
|  | 28<br>29              | Н         | <u> </u> | ⊢  | _            |          | <del> </del> |          | <del> </del>                                     | _                | ł |
|  | 29                    | Н         | _        | $\vdash$   | _            | _        | $\vdash$     |          | _  | -                | ł |
| -  | 30<br>31              | Н         | _        | H  | -            |          | _            |          | ⊢  | ⊢                | ł |
|  | 33                    | ${\sf H}$ |          | _  | _            | -        | _            |          | -  | -                |   |
| $\vdash$   | 32<br>33              | H         | _        | _  | ⊢            | ⊢        | _            | -        | ┝  | ┢                | 1 |
| $\vdash$   | 34                    | H         | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$ | -  | $\vdash$         | 1 |
| $\vdash$   | 35                    | ╂         | $\vdash$ | ├  | $\vdash$     | -        | ├            | $\vdash$ | -  | $\vdash$         | l |
| <del>                                     </del> | 36                    | ╂╌        |          |  | -            | -        | $\vdash$     | -        | -  | $\vdash$         | l |
| <del>  </del>                                    | 37                    | H         |          |  | ┢            | ┢─       | $\vdash$     | $\vdash$ | -  | $\vdash$         |   |
| $\vdash\vdash$                                   | 38                    | H         |          | $\vdash$   |              |          | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$         |   |
| $\vdash$   | 39                    | H         |          | $\vdash$   | $\vdash$     |          | $\vdash$     | $\vdash$ | -  | ┢                |   |
| $\vdash$   | 40                    | H         |          | 1  | $\vdash$     |          | <u> </u>     | $\vdash$ | <del>                                     </del> | <del> </del>     |   |
| H  | 41                    | +         | $\vdash$ | <del>                                     </del> | $\vdash$     | Н        | $\vdash$     | $\vdash$ | T  | $\vdash$         |   |
|  | 42                    | z         |          | $\vdash$   | $\vdash$     | Н        | $\vdash$     | $\vdash$ |  |                  | ; |
| $\vdash$   | 43                    | Ë         |          | -  | $\vdash$     |          |              | $\vdash$ | <u> </u>   | $\vdash$         |   |
|  | 44                    | $\vdash$  |          |  | $\vdash$     |          |              |          | <u> </u>   |                  |   |
|  | 45                    |           |          | $\vdash$   | $\vdash$     | $\vdash$ |              | $\vdash$ | <u> </u>   |                  |   |
|  | 46                    |           |          |  |              |          | Н            |          | t  |                  |   |
|  | 47                    |           |          |  | П            |          | Т            |          | Г  | Г                |   |
|  | 48                    | М         |          | П  |              | П        | Т            |          |  | Г                |   |
|  | 49                    | П         |          |  | П            |          |              |          |  | Г                |   |
|  | 50                    | П         |          |  |              |          |              |          |  |                  |   |
|  |                       |           |          |  |              |          |              |          |  |                  |   |

| Cla         | aim  | Г            |              |                    | -            | Dat                | е        |              |  |  |
|-------------|--|--------------|--------------|--------------------|--------------|--------------------|----------|--------------|--|--|
| <b>⊢</b> —" |  | $\vdash$     | T            | Ī                  | $\mathbf{T}$ | <u> </u>           | Ť        | П            | Γ-   | Τ-   |
| Final       | Original   | 6/23/04      |              |                    |              |                    |          |              |  |  |
|             | 51<br>52<br>53<br>54<br>55<br>56                               |              |              |                    |              |                    |          |              |  |  |
|             | 52   |              |              |                    | <u> </u>     | L                  |          |              |  |  |
|             | 53   | _            | Ŀ            | _                  |              | _                  | <u> </u> | <u> </u>     |  |  |
| <u></u>     | 54   | _            | <u> </u>     | _                  |              | _                  | <u> </u> | _            | _  |  |
|             | 55   |              | <u> </u>     | ļ                  |              | <u> </u>           | <u> </u> |              | <u> </u>   | <u> </u>   |
|             | 56   | _            | ⊢            | ⊢                  |              | ⊢                  | <u> </u> | -            | _  | <u> </u>   |
|             | 57   | -/           | $\vdash$     | ⊢                  | ⊢            | ⊢                  | $\vdash$ | ├            | ├-   | -  |
|             | 58<br>59   | N            | $\vdash$     |                    | -            | ⊢                  | ├        | ┢            | ⊢  |  |
| -           | 60   | 1.           | ┝            | -                  | ┢            | ┢                  | ┢        | ├            | ├-   | _  |
| <u> </u>    | 61   | 1            |              | $\vdash$           | $\vdash$     | ╁╾                 | -        | -            | -  | <del>                                     </del> |
|             | 62   | 1            |              |                    | $\vdash$     | T                  |          | T            | <u> </u>   | ļ  |
|             | 63   | T            |              | Г                  | T            | Г                  | Π        |              |  |  |
|             | 64   |              |              |                    |              |                    |          |              |  |  |
|             | 61<br>62<br>63<br>64<br>65<br>66<br>67                         |              |              |                    |              |                    |          |              |  |  |
|             | 66   |              |              |                    |              |                    |          |              |  |  |
|             | 67   |              | _            | ļ                  | <u> </u>     | L                  |          |              |  |  |
| <u> </u>    | 68   | <u> </u>     | $\vdash$     | -                  |              | <u> </u>           | <u> </u> | <u> </u>     | <b> </b>   | L  |
| <u> </u>    | 69   | $\vdash$     | <u> </u>     | <u> </u>           |              | $\vdash$           |          | <u> </u>     | <u> </u>   | ⊢  |
| <u> </u>    | 70   | ├-           | <del> </del> | -                  | <u> </u>     | -                  | -        | -            | -  | -  |
| <del></del> | 77   | <del> </del> | $\vdash$     | -                  | -            | ├-                 | -        | $\vdash$     | -  | $\vdash$   |
|             | 72   | -            | -            |                    | -            | $\vdash$           | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$   |
|             | 74   | $\vdash$     | $\vdash$     | $\vdash$           | $\vdash$     |                    | $\vdash$ | -            |  | ├  |
|             | 75   | ┢            | $\vdash$     | $\vdash$           | $\vdash$     | $\vdash$           | H        | <del> </del> | <del>                                     </del> | ├  |
|             | 76   |              |              |                    |              |                    |          |              |  | <del>                                     </del> |
|             | 77   | Г            | $\vdash$     |                    | $\vdash$     | Т                  | _        | Г            | $\vdash$   | $\vdash$   |
|             | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 |              |              |                    |              |                    |          |              |  |  |
|             | 79   |              |              |                    |              |                    |          |              |  |  |
|             | 80   |              | Ċ            |                    |              |                    |          |              |  |  |
|             | 81   |              |              |                    |              |                    |          |              |  |  |
|             | 82   | _            | L.           | _                  |              | _                  | _        |              |  |  |
|             | 83   | $\vdash$     | <u> </u>     | _                  | L            | _                  | <u> </u> | $\vdash$     |  | _  |
| <u> </u>    | 83<br>84<br>85   | <u> </u>     | <u> </u>     | _                  | <u> </u>     | $\vdash$           | <u> </u> | $\vdash$     | <u> </u>   | <u> </u>   |
| -           | 86   | ┝            |              | _                  | _            | $\vdash$           | $\vdash$ | _            |  | <u> </u>   |
| -           | 87   | -            | -            | -                  | -            | -                  | -        | $\vdash$     |  | _  |
|             | 88   | Н            | -            | $\vdash$           | $\vdash$     | $\vdash$           |          | $\vdash$     | H  | $\vdash$   |
| $\vdash$    | 89   |              | -            |                    | $\vdash$     | -                  |          | $\vdash$     | H  |  |
| -           | 90   | _            | Η-           |                    |              |                    |          |              | Н  |  |
|             | 91   |              |              |                    | Г            | Г                  | T        | $\vdash$     | $\vdash$   | $\vdash$   |
|             | 92   |              |              |                    |              |                    |          | Г            |  | Т  |
|             | 93   |              |              |                    |              |                    |          |              |  |  |
|             | 94   |              |              |                    |              |                    |          |              |  |  |
|             | 95   |              |              |                    |              |                    |          |              |  |  |
|             | 96   |              | _            | $oxedsymbol{oxed}$ |              | $oxedsymbol{oxed}$ | $\Box$   | L            | L  | $oxed{oxed}$                                     |
|             | 97   |              | _            | L                  | _            | <u> </u>           | <u> </u> | _            | _  |  |
| ļ           | 98   | _            | _            | L                  | _            | _                  | _        | <u> </u>     |  | <u> </u>   |
| <u> </u>    | 99   | <u> </u>     | <u> </u>     | $\vdash$           | <u> </u>     | <u> </u>           | <u> </u> | <u> </u>     | $\vdash$   | $\vdash$   |
|             | 100  |              |              |                    | L            | L.,                | L        | L            |  |  |

|       | ,                               |  |  |          |          |  |          |  | •            |           |  |
|-------|---------------------------------|--|--|----------|----------|--|----------|--|--------------|-----------|--|
| Cli   | aim                             | Date   |  |          |          |  |          |  |              |           |  |
| Final | Original                        |  |  |          |          |  |          |  |              |           |  |
|       | 101                             |  | Т  | Г        |          | <del>                                     </del> | Г        |  |              |           |  |
|       | 101<br>102<br>103               |  |  |          | $\vdash$ | $\vdash$   |          |  |              |           |  |
|       | 103                             |  |  |          |          |  |          |  |              |           |  |
|       | 104                             |  | 匚  | Ĺ        |          | <u> </u>   |          |  |              |           |  |
|       | 104<br>105<br>106               |  | <u> </u>   | _        | <u> </u> |  |          | _  | _            | <u> </u>  |  |
|       | 106                             | _  | <u> </u>   |          | _        |  |          | _  |              |           |  |
|       | 107<br>108                      | ⊢  | ⊢  | <u> </u> | ļ        | <u> </u>   |          | <u> </u>   |              |           |  |
|       | 109                             | _  |  | $\vdash$ | $\vdash$ | -  | -        | -  | <del> </del> |           |  |
|       | 110                             |  | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$   |          | $\vdash$   | _            | _         |  |
|       | 111                             |  | <del>                                     </del> |          | $\vdash$ |  |          | H  |              |           |  |
|       | 112                             | 1  |  |          |          |  |          |  |              |           |  |
|       | 113                             |  |  |          |          |  |          |  |              |           |  |
|       | 114                             |  |  |          |          |  |          |  |              |           |  |
|       | 112<br>113<br>114<br>115<br>116 | <u> </u>   | <u> </u>   | L        |          | <u> </u>   |          | $ldsymbol{ld}}}}}}$ | _            | Ш         |  |
|       | 116                             | <u> </u>   | <u> </u>   | <u> </u> | <u> </u> | <u> </u>   | _        | _  | _            |           |  |
|       | 117                             | ┝  |  | H        | _        | <u> </u>   |          | -  |              |           |  |
|       | 118<br>119                      | $\vdash$   |  |          | -        |  |          | ⊨  |              |           |  |
|       | 120                             | -  |  |          | $\vdash$ |  |          | ┝  |              |           |  |
|       | 121                             |  |  |          | -        |  | -        |  |              | H         |  |
|       | 122                             | $\vdash$   |  | $\vdash$ |          |  |          |  |              |           |  |
|       | 123                             | Т  |  |          |          |  |          |  |              |           |  |
|       | 121<br>122<br>123<br>124<br>125 |  |  |          |          |  |          |  |              |           |  |
|       | 125                             |  |  |          |          |  |          |  |              |           |  |
|       | 126<br>127<br>128               | $ldsymbol{ld}}}}}}}$ | <u> </u>   | _        |          |  | _        | <u> </u>   |              |           |  |
|       | 127                             | <u> </u>   |  | L        |          |  | <u> </u> | <u> </u>   | _            | _         |  |
|       | 128                             | -  | <del> </del>                                     | -        |          |  | H        | H  |              | Н         |  |
|       | 129<br>130<br>131               | ┝  | ├  | $\vdash$ |          | -  | $\vdash$ | -  | <del> </del> |           |  |
|       | 131                             | <del> </del>   | ├─   | $\vdash$ |          | -  | -        | -  | -            | Н         |  |
|       | 132                             |  |  | H        |          |  | <u> </u> |  | _            |           |  |
|       | 132<br>133                      |  |  |          |          |  | <u> </u> |  |              |           |  |
|       | 134                             |  |  |          |          |  |          |  |              |           |  |
|       | 135                             | _  | <u> </u>   |          |          | L  | <u> </u> |  |              |           |  |
|       | 136                             | _  | ļ  | L_       |          |  | _        |  |              |           |  |
|       | 137<br>138                      |  | -  | <u> </u> |          | -  | -        | <u> </u>   | L            | Н         |  |
|       | 138                             | H  | $\vdash$   |          | -        |  | H        |  | H            | $\dashv$  |  |
|       | 140                             | H  | $\vdash$   |          |          |  | H        |  |              | $\vdash$  |  |
|       | 141                             | $\vdash$   | $\vdash$   | -        | -        |  |          | Н  | _            | $\vdash$  |  |
|       | 142                             |  | Т  |          |          |  |          | П  | П            | Н         |  |
|       | 143                             |  |  |          |          |  |          |  |              |           |  |
|       | 144                             |  |  |          |          |  |          |  |              |           |  |
|       | 145                             |  |  |          |          |  |          |  |              | Ш         |  |
|       | 146                             |  | <u></u>  | Щ        |          | Ш  |          |  | Щ            | $\square$ |  |
|       | 147                             |  | _  |          |          | Ш  |          | _  |              | Щ         |  |
|       | 148<br>149                      | Н  | H  | Н        | _        | Н  | _        | _  | H            | $\dashv$  |  |
|       | 150                             | H  | -  | Н        |          | $\vdash$   | _        | _  |              | $\dashv$  |  |
| ,     | .50                             | لب   |  | لب       |          | ldot   |          | L  |              |           |  |